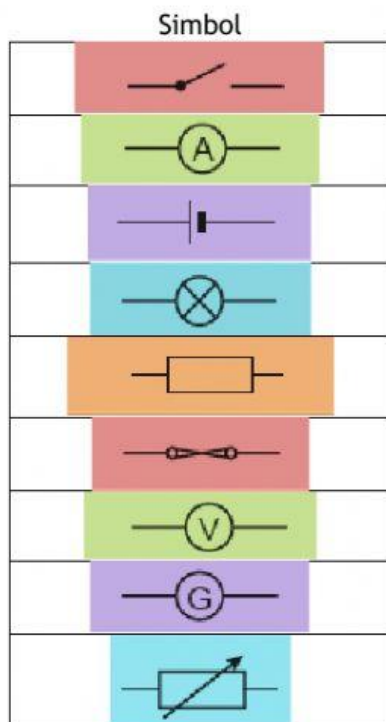


Latihan Pengukuhan Arus, Voltan dan Rintangan bagi Litar Bersiri dan Litar Selari

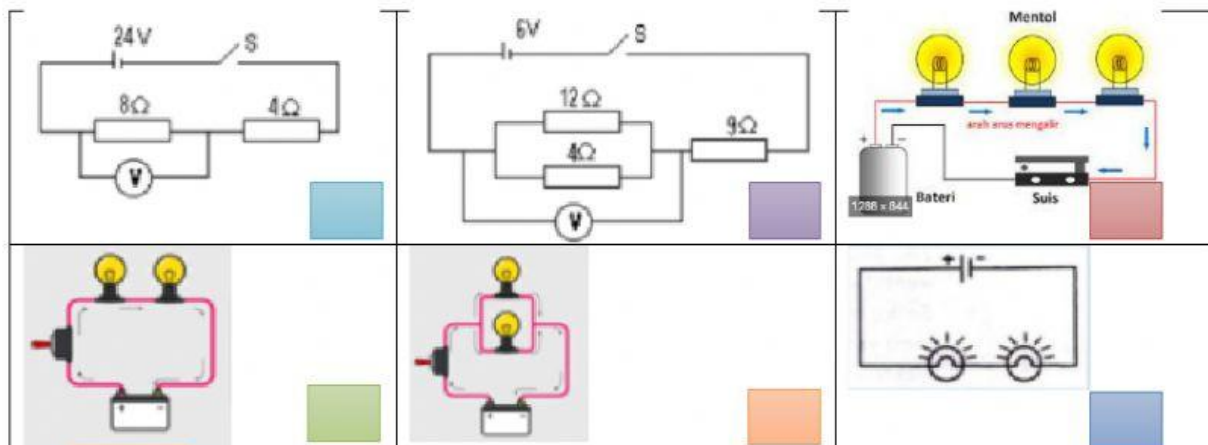
(Sains Tingkatan 2 - Subtopik 7.2)

1. Labelkan simbol komponen elektrik di bawah.

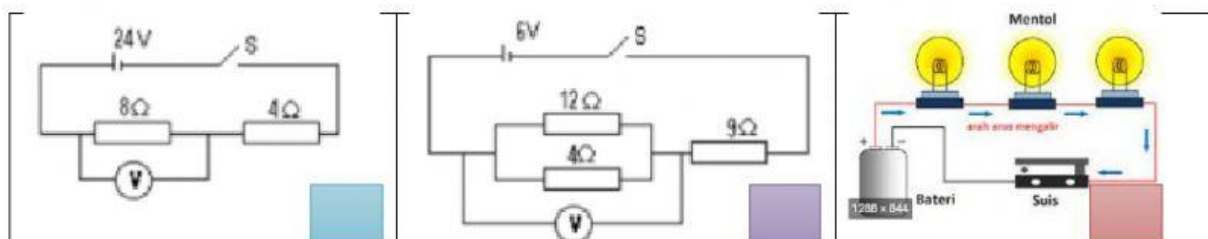


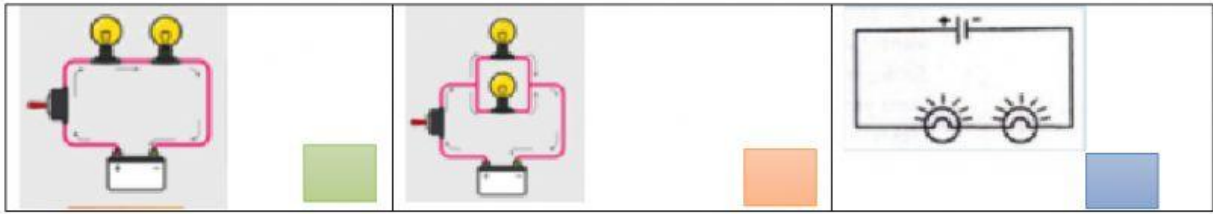
Komponen elektrik
Perintang
Fius
Suis
Ammeter
Voltmeter
Galvanometer
Mentol
Perintang boleh laras
Bateri

2. Tandakan (v) pada litar selari.

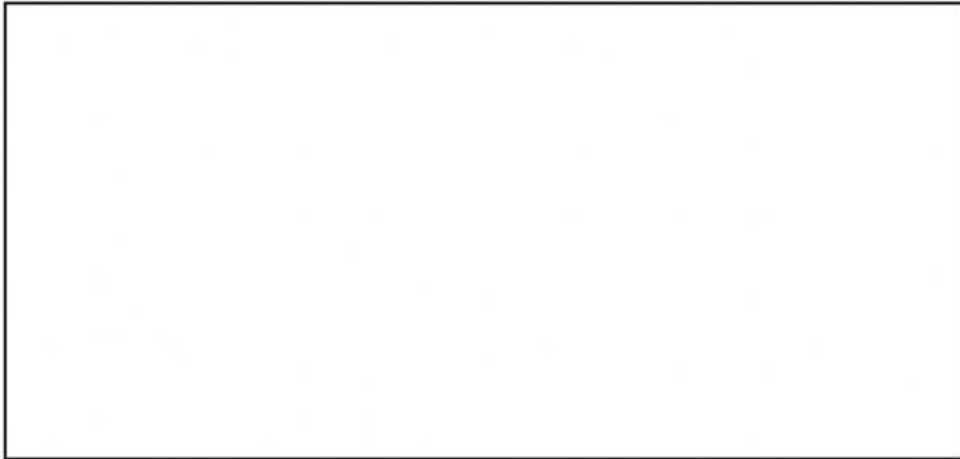


3. Tandakan (v) pada litar bersiri.

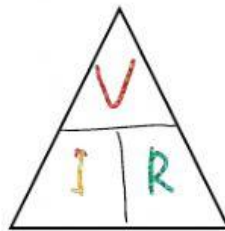
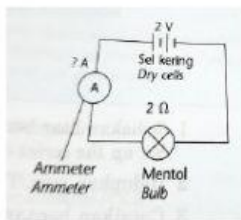




4. Tonton video di bawah dan jawab semua soalan.



a) Hitung nilai arus dalam litar ini.

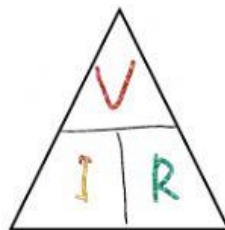
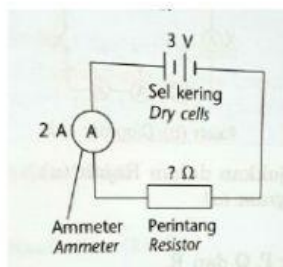


$$V = \boxed{} \text{ V}$$

$$R = \boxed{} \Omega$$

$$I = \frac{V}{R} = \frac{\boxed{}}{\boxed{}} = \boxed{} \text{ A}$$

b) Hitung nilai rintangan dalam litar ini.

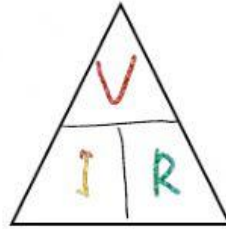
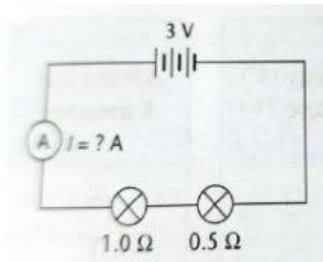


$$V = \boxed{} \text{ V}$$

$$I = \boxed{} \text{ A}$$

$$R = \frac{V}{I} = \frac{\boxed{}}{\boxed{}} = \boxed{} \Omega$$

c) Hitung nilai rintangan dalam litar ini.



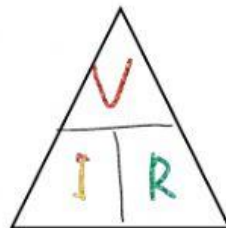
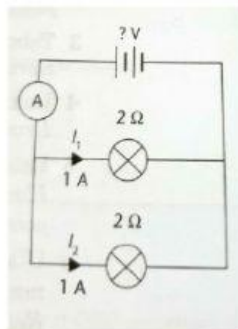
$$V = \boxed{} \text{ V}$$

$$R = \boxed{} \Omega$$

$$I = \frac{V}{R} = \frac{\boxed{}}{\boxed{}} = \boxed{} \text{ A}$$

$$R = R_1 + R_2 = \boxed{} + \boxed{} = \boxed{} \Omega$$

d) Hitung nilai rintangan dalam litar ini.



$$I = \boxed{} \text{ A}$$

$$R = \boxed{} \Omega$$

$$V = I \times R$$

$$\rightarrow \boxed{} \times \boxed{} = \boxed{} \text{ V}$$

$$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$R = \boxed{} \Omega$$